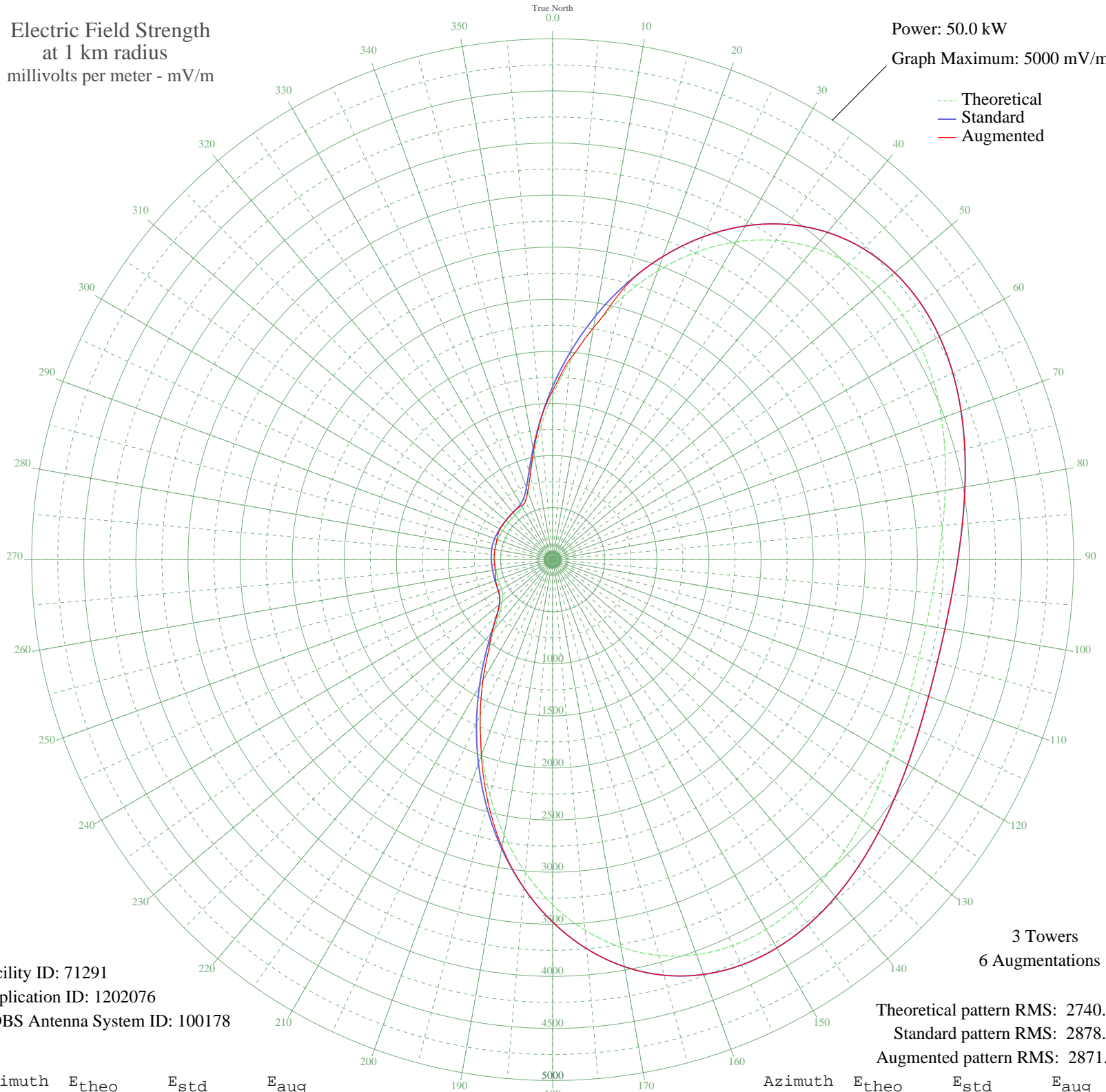


# WCPC HOUSTON, MS BL-20070822AED 940 kHz

Daytime

Electric Field Strength  
at 1 km radius  
millivolts per meter - mV/m

Power: 50.0 kW  
Graph Maximum: 5000 mV/m



--- Theoretical  
— Standard  
— Augmented

Facility ID: 71291  
Application ID: 1202076  
CDBS Antenna System ID: 100178

3 Towers  
6 Augmentations

Theoretical pattern RMS: 2740.71  
Standard pattern RMS: 2878.70  
Augmented pattern RMS: 2871.60

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
0	1580.70	1661.39	1621.04
5	1913.17	2010.20	1936.20
10	2262.79	2377.09	2262.79
15	2613.35	2745.02	2722.77
20	2949.14	3097.49	3097.49
25	3256.04	3419.65	3419.65
30	3522.58	3699.45	3699.45
35	3740.69	3928.42	3928.42
40	3906.12	4102.10	4102.10
45	4018.48	4220.06	4220.06
50	4080.82	4285.50	4285.50
55	4099.00	4304.59	4304.59
60	4080.88	4285.57	4285.57
65	4035.46	4237.88	4237.88
70	3972.02	4171.29	4171.29
75	3899.52	4095.17	4095.17
80	3826.05	4018.03	4018.03
85	3758.50	3947.12	3947.12
90	3702.45	3888.29	3888.29
95	3662.08	3845.90	3845.90
100	3640.16	3822.89	3822.89
105	3638.14	3820.77	3820.77
110	3656.15	3839.68	3839.68
115	3693.02	3878.38	3878.38
120	3746.22	3934.23	3934.23
125	3811.86	4003.14	4003.14
130	3884.67	4079.58	4079.58
135	3957.98	4156.54	4156.54
140	4023.92	4225.77	4225.77
145	4073.69	4278.01	4278.01
150	4098.00	4303.54	4303.54
155	4087.76	4292.79	4292.79
160	4034.80	4237.19	4237.19
165	3932.79	4130.10	4130.10
170	3778.05	3967.65	3967.65
175	3570.27	3749.51	3749.51

Azimuth	E <sub>theo</sub>	E <sub>std</sub>	E <sub>aug</sub>
180	3312.89	3479.33	3479.33
185	3013.24	3164.78	3163.41
190	2682.18	2817.26	2800.06
195	2333.34	2451.14	2403.42
200	1982.24	2082.68	2000.73
205	1645.06	1728.90	1645.06
210	1337.58	1406.42	1337.58
215	1074.16	1130.31	1074.86
220	866.26	912.60	901.97
225	719.85	759.48	759.48
230	631.42	667.14	667.14
235	586.88	620.68	620.68
240	567.85	600.85	600.85
245	559.99	592.65	592.05
250	555.92	588.42	581.64
255	553.44	585.84	569.37
260	552.62	584.98	560.99
265	553.72	586.12	560.62
270	556.31	588.83	561.91
275	559.27	591.91	562.79
280	561.29	594.01	563.21
285	561.49	594.22	563.87
290	559.78	592.44	569.91
295	556.92	589.46	578.80
300	554.14	586.57	584.89
305	552.68	585.05	585.05
310	553.13	585.52	585.52
315	555.32	587.79	587.79
320	559.00	591.62	591.62
325	565.72	598.63	597.06
330	581.59	615.17	597.95
335	619.59	654.79	619.59
340	697.84	736.49	697.84
345	832.01	876.76	833.10
350	1027.85	1081.79	1055.76
355	1280.96	1347.05	1337.20

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

20 Nov 2009

Prepared by Audio Division, Media Bureau  
Federal Communications Commission